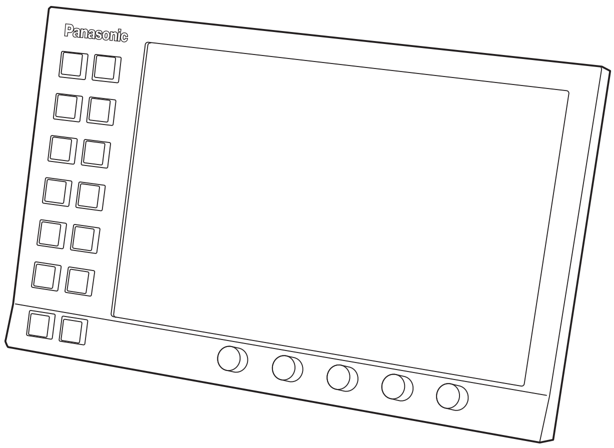
Panasonic

Operating Instructions

Menu Panel

Model No. **AV-HS60C3G**



This manual is an excerpted version of the Operating Guide. For more information, please visit the Panasonic website (http://pro-av.panasonic.net/en/manual/index.html), and refer to the Operating Guide (PDF).

Before operating this product, please read the instructions carefully and save this manual for future use.

ENGLISH

Read this first!

indicates safety information.

WARNING:
Installation should only be performed by qualified installation personnel.
Improper installation may result in the entire apparatus falling down and causing injury.

WARNING:
- To reduce the risk of fire, do not expose this equipment to rain or moisture.
- To reduce the risk of fire, keep this equipment away from all liquids. Use and store only in locations which are not exposed to the risk of dripping or splashing liquids, and do not place any liquid containers on top of the equipment.

WARNING:
Always keep screws out of the reach of babies and small children.

CAUTION:
Do not remove panel covers by unscrewing.
No user serviceable parts inside.
Refer servicing to qualified service personnel.

CAUTION:
To reduce the risk of fire and annoying interference, use the recommended accessories only.

FCC NOTICE (USA)
This device complies with part 15 of the FCC Rules.
Operation is subject to the following two conditions:
(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Note:
This equipment has been tested and found to comply with the limits for a class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy, and if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Warning:
To assure continued FCC emission limit compliance, the user must use only shielded interface cables when connecting to external units. If DVI-D port is to be used it must be connected to PC by compatible interface cable with two ferrite cores. Also, any unauthorized changes or modifications to this equipment could void the user’s authority to operate it.

NOTIFICATION (Canada)
CAN ICES-3 (A)/NMB-3(A)

IMPORTANT SAFETY INSTRUCTIONS

1) Read these instructions.
2) Keep these instructions.
3) Heed all warnings.
4) Follow all instructions.
5) Do not use this apparatus near water.
6) Clean only with dry cloth.
7) Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8) Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9) Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding-type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10) Protect the power cord form being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11) Only use attachments/accessories specified by the manufacturer.
12) Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.



S3125A

13) Unplug this apparatus during lightning storms or when unused for long periods of time.
14) Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

EMC NOTICE FOR THE PURCHASER/USER OF THE APPARATUS

1. Applicable standards and operating environment

The apparatus is compliant with:

- standards EN55103-1 and EN55103-2, and
- electromagnetic environments E4.

  In a residential, commercial, light industrial and urban outdoors environment, this product may cause radio interference.

2. Pre-requisite conditions to achieving compliance with the above standards

<1> Peripheral equipment to be connected to the apparatus and special connecting cables

- The purchaser/user is urged to use only equipment which has been recommended by us as peripheral equipment to be connected to the apparatus.
- The purchaser/user is urged to use only the connecting cables described below.

<2> For the connecting cables, use shielded cables which suit the intended purpose of the apparatus.

- Video signal connecting cables

  Use double shielded coaxial cables, which are designed for 75-ohm type high-frequency applications, for SDI (Serial Digital Interface).

  Coaxial cables, which are designed for 75-ohm type high-frequency applications, are recommended for analog video signals.
- Audio signal connecting cables

  If your apparatus supports AES/EBU serial digital audio signals, use cables designed for AES/EBU.

  Use shielded cables, which provide quality performance for high-frequency transmission applications, for analog audio signals.
- Other connecting cables (IEEE1394, USB)

  Use double shielded cables, which provide quality performance for high-frequency applications, as connecting cables.
- When connecting to the DVI signal terminal, use a cable with a ferrite core.
- If your apparatus is supplied with ferrite core(s), they must be attached on cable(s) following instructions in this manual.

3. Performance level

The performance level of the apparatus is equivalent to or better than the performance level required by these standards.

However, the apparatus may be adversely affected by interference if it is being used in an EMC environment, such as an area where strong electromagnetic fields are generated (by the presence of signal transmission towers, cellular phones, etc.). In order to minimize the adverse effects of the interference on the apparatus in cases like this, it is recommended that the following steps be taken with the apparatus being affected and with its operating environment:

1. Place the apparatus at a distance from the source of the interference.
2. Change the direction of the apparatus.
3. Change the connection method used for the apparatus.
4. Connect the apparatus to another power outlet where the power is not shared by any other appliances.

Manufactured by: Panasonic Corporation, Osaka, Japan
Importer’s name and address of pursuant to EU rules:
Panasonic Testing Centre
Panasonic Marketing Europe GmbH
Winsbergring 15, 22525 Hamburg, Germany

EEE Yönetmeliğine Uygundur.
EEE Complies with Directive of Turkey.

Declaration of Conformity
with the requirements of Technical Regulation on the Restriction Of the use of certain Hazardous Substances in Electrical and Electronic Equipment
(adopted by Order №1057 of Cabinet of Ministers of Ukraine)

The Product is in conformity with the requirements of Technical Regulation on the Restriction Of the use of certain Hazardous Substances in electrical and electronic equipment (TR on RoHS).

The content of hazardous substance with the exemption of the applications listed in the Annex №2 of TR on RoHS:

1. Lead (Pb) – not over 0,1 % or 1000wt ppm;
2. Cadmium (Cd) – not over 0,01 % or 100wt ppm;
3. Mercury (Hg) – not over 0,1 % or 1000wt ppm;
4. Hexavalent chromium (Cr6+) – not over 0,1 % or 1000wt ppm;
5. Polybrominated biphenyls (PBBs) – not over 0,1 % or 1000wt ppm;
6. Polybrominated diphenyl ethers (PBDEs) – not over 0,1 % or 1000wt ppm.

Декларация о Соответствии
Требованиям Технического Регламента об Ограничении Использования некоторых Вредных Веществ в электрическом и электронном оборудовании
(утверждённого Постановлением №1057 Кабинета Министров Украины)

Изделие соответствует требованиям Технического Регламента об Ограничении Использования некоторых Вредных Веществ в электрическом и электронном оборудовании (ТР ОИВВ).

Содержание вредных веществ в случаях, не предусмотренных Дополнением №2 ТР ОИВВ:

1. свинец (Pb) – не превышает 0,1 % веса вещества или в концентрации до 1000 миллионных частей;
2. кадмий (Cd) – не превышает 0,01 % веса вещества или в концентрации до 100 миллионных частей;
3. ртуть (Hg) – не превышает 0,1 % веса вещества или в концентрации до 1000 миллионных частей;
4. шестивалентный хром (Cr6+)– не превышает 0,1 % веса вещества или в концентрации до 1000 миллионных частей;
5. полибромбифенолы (PBB) – не превышает 0,1 % веса вещества или в концентрации до 1000 миллионных частей;
6. полибромдифеноловые эфиры (PBDE) – не превышает 0,1 % веса вещества или в концентрации до 1000 миллионных частей.

Декларація про Відповідність
Вимогам Технічного Регламенту Обмеження Використання деяких Небезпечних Речовин в електричному та електронному обладнанні
(затвердженого Постановою №1057 Кабінету Міністрів України)

Виріб відповідає вимогам Технічного Регламенту Обмеження Використання деяких Небезпечних Речовин в електричному та електронному обладнанні (ТР ОВНР).

Вміст небезпечних речовин у випадках, не обумовлених в Додатку №2 ТР ОВНР, :

1. свинець(Pb) – не перевищує 0,1 % ваги речовини або в концентрації до 1000 частин на мільйон;
2. кадмій (Cd)– не перевищує 0,01 % ваги речовини або в концентрації до 100 частин на мільйон;
3. ртуть(Hg) – не перевищує 0,1 % ваги речовини або в концентрації до 1000 частин на мільйон;
4. шестивалентний хром (Cr6+) – не перевищує 0,1 % ваги речовини або в концентрації до 1000 частин на мільйон;
5. полібромбіфеноли (PBB) – не перевищує 0,1% ваги речовини або в концентрації до 1000 частин на мільйон;
6. полібромдефенілові ефіри (PBDE) – не перевищує 0,1 % ваги речовини або в концентрації до 1000 частин на мільйон.

Contents

How to read this document

■ Abbreviations

The following abbreviations are used in this document.

- The model numbers of the Main Frames AV-HS60U1P/AV-HS60U2P, AV-HS60U1E/AV-HS60U2E are described as “AV-HS60U1”/“AV-HS60U2”.
- The model numbers of the Control Panels AV-HS60C1P/AV-HS60C2P, AV-HS60C1E/AV-HS60C2E are described as “AV-HS60C1”/“AV-HS60C2”.
- The model number of the Menu Panel AV-HS60C3G is described as “AV-HS60C3”.

Overview

Overview

AV-HS60C3 is the Menu Panel AV-HS60C3 which configures the switcher system of AV-HS6000. Connect to AV-HS60C1/AV-HS60C2 and configure various settings.

For detailed operations, refer to the Operating Guide of the AV-HS6000 series.

Ratings display

The name, model number, and electrical ratings of the unit are indicated on its rear panel.

Installation

Refer to the Operating Guide of the AV-HS6000 series.

Accessories

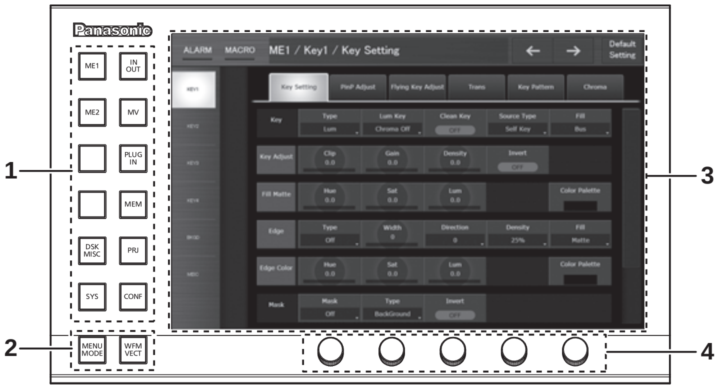
- Connection cable (with ferrite core) for the Control Panel AV-HS60C1/AV-HS60C2: 1 cable
- Bracket for mounting the Control Panel AV-HS60C1/AV-HS60C2
- Screws for the bracket for mounting the Control Panel AV-HS60C1/AV-HS60C2: 6 screws

NOTE

- After removing the product from its container, dispose of the packing materials in an appropriate manner.

Part Names and Functions

Operation panel



1 Top menu buttons (<ME1>, <ME2>, <DSK MISC>, <SYS>, <IN OUT>, <MV>, <PLUG IN>, <MEM>, <PRJ>, <CONF>)
Selects the first hierarchy of the menu.

2 Split-screen buttons (<MENU MODE>, <WFM VECT>)
Switches the display of the menu screen.
For details, refer to “Split display of the menu screen” (page 8).

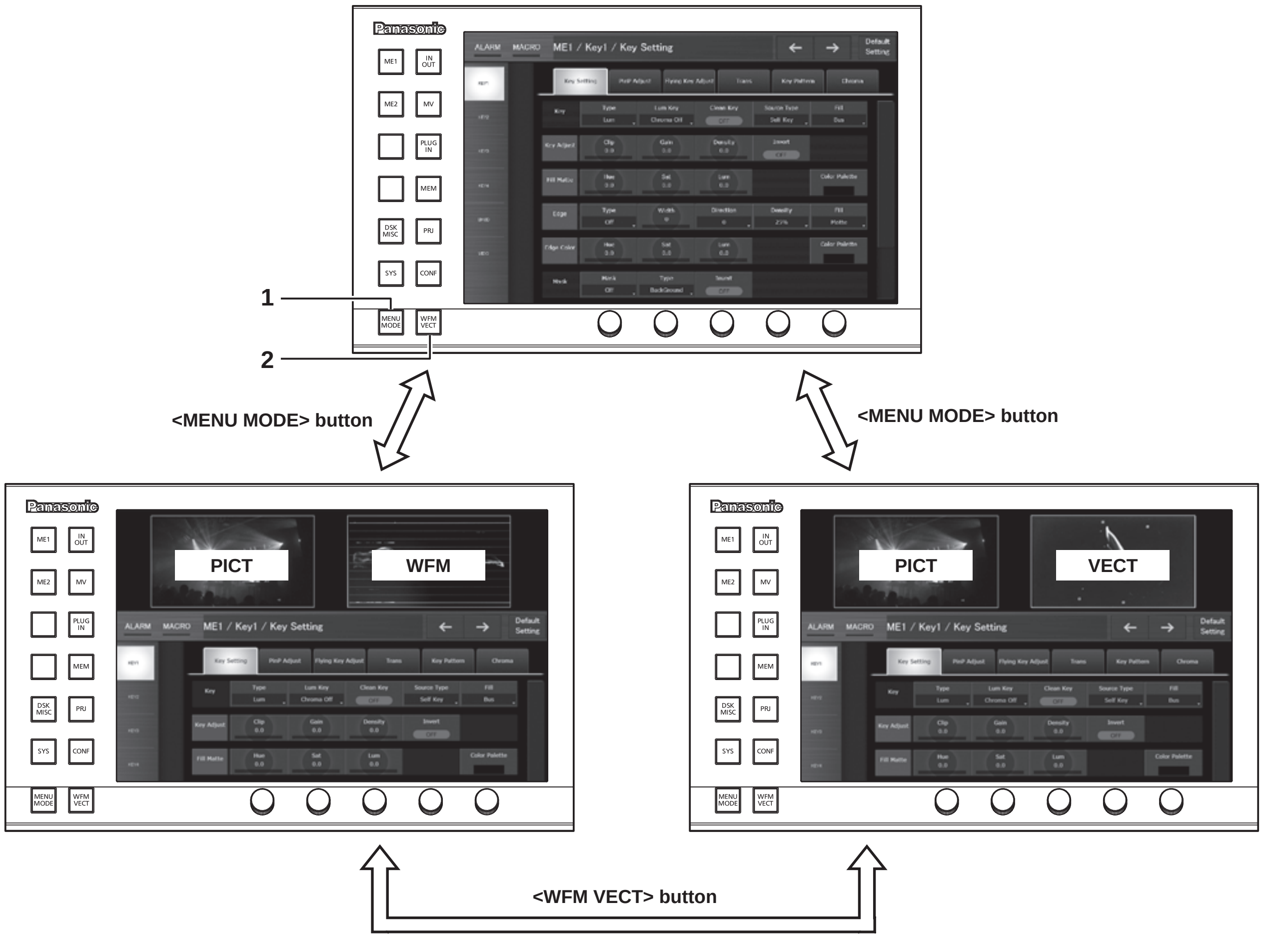
3 Menu screen

4 Rotary encoders
When the rotary encoder is turned, the numeric values of the number button focused on the menu can be changed.
When the rotary encoder is double-clicked, the numeric values of the number button focused on the menu will return to the default settings.

Split display of the menu screen

NOTE

- This function will be available in V2.00.00 or higher.

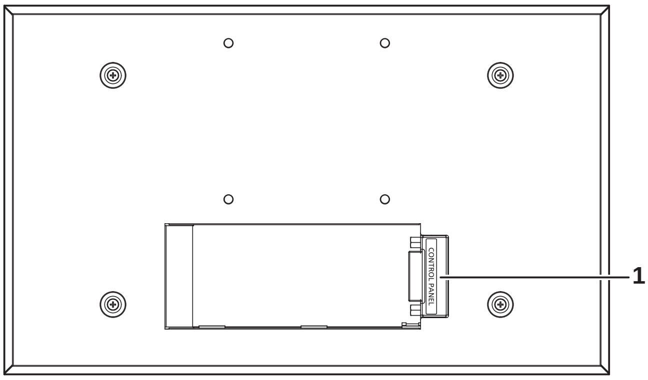


1 <MENU MODE> button
Each time this button is pressed, the full screen display and split display (PICT, WFM/VECT, menu) of the menu are switched.
The display content is as follows when the display of the Menu Panel AV-HS60C3 is split.

Display position	Display content
Upper left	Images selected in the DISP bus are displayed.
Upper right	The WFM (waveform monitor) or VECTOR (vectorscope) for the video selected in the DISP bus is displayed.
Bottom	The menu will be displayed.

2 <WFM VECT> button
Each time the button is pressed when the menu display is split, the WFM (waveform monitor) and VECTOR (vectorscope) displayed at the upper right of the screen are switched.

Rear panel



1 <CONTROL PANEL> terminal (connector: DVI-D/signal: independent signal)
Connects the Control Panel AV-HS60C1/AV-HS60C2.
- This is the dedicated interface for connection with the Control Panel AV-HS60C1/AV-HS60C2 (optional). Do not connect with DVI output devices.

Specifications

Power supply DC 12 V/0.54 A * Supplied from AV-HS60C1/AV-HS60C2 using the supplied cable Power consumption 6.48 W

indicates safety information.

<CONTROL PANEL> terminal	Used only for the Control Panel AV-HS60C1/AV-HS60C2 ● Connector: DVI-D ● Because an independent signal format is used, DVI-D source cannot be displayed. ● Cannot be used concurrently with a DVI-D monitor connected to the <DVI-D> terminal of the Control Panel AV-HS60C1/AV-HS60C2. Set the display selector switch of the Control Panel AV-HS60C1/AV-HS60C2 to the <MENU PANEL> terminal side.
Ambient operating temperature	0°C to 40°C (32°F to 104°F)
Humidity	10% to 90% (no condensation)
Dimensions (W×H×D)	290 mm×177 mm×46.1 mm (11-13/32 inches×6-31/32 inches×1-13/16 inches) (excluding protrusions) 4RU
Mass	AV-HS60C3: Approx. 1.7 kg (3.7 lbs.) (excluding accessories)

Information on Disposal for Users of Waste Electrical & Electronic Equipment (private households)

This symbol on the products and/or accompanying documents means that used electrical and electronic products should not be mixed with general household waste.
For proper treatment, recovery and recycling, please take these products to designated collection points, where they will be accepted on a free of charge basis. Alternatively, in some countries you may be able to return your products to your local retailer upon the purchase of an equivalent new product.
Disposing of this product correctly will help to save valuable resources and prevent any potential negative effects on human health and the environment which could otherwise arise from inappropriate waste handling.
Please contact your local authority for further details of your nearest designated collection point.
Penalties may be applicable for incorrect disposal of this waste, in accordance with national legislation.

For business users in the European Union
If you wish to discard electrical and electronic equipment, please contact your dealer or supplier for further information.

Information on Disposal in other Countries outside the European Union
This symbol is only valid in the European Union.
If you wish to discard this product, please contact your local authorities or dealer and ask for the correct method of disposal.

Panasonic Corporation
Web Site: http://panasonic.net